



SEQUENCE LISTING

<110> Donald L. Durden
ADVANCED RESEARCH & TECHNOLOGY INSTITUTE

<120> Compositions and Methods for Identifying
Agents Which Modulate PTEN Function and PI-3 Kinase Pathways

<130> 1857-PO2575US2

<140> 10/712,850

<141> 2003-11-13

<150> 09/870,379

<151> 2001-05-30

<150> 60/274,167

<151> 2001-03-08

<150> 60/208,437

<151> 2000-05-30

<160> 23

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<210> 1

<211> 1260

<212> DNA

<213> Homo sapiens

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gtatacagga	acaatatattga	tgatgtagta	aggttttttg	attcaaagca	taaaaaaccat	240
tacaagatat	acaatctatg	tgctgagaga	cattatgaca	ccgccaaatt	taactgcaga	300
gttgacacagt	atccttttga	agaccataac	ccaccacagc	tagaacttat	caaacccttc	360
tgtgaagatc	ttgaccaatg	gctaagtga	gatgacaatc	atgttgcagc	aattcactgt	420
aaagctggaa	agggacggac	tggtgtaatg	atttgtgcat	atttattgca	tcggggcaaa	480
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ggagtcacaa	ttcccagtc	gaggcgctat	gtatattatt	atagctacct	gctaaaaaat	600
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ctatacttta	caaaaacagt	agaggagcca	tcaaattccag	aggctagcag	ttcaacttct	1140
gtgactccag	atgttagtga	caatgaacct	gatcattata	gatattctga	caccactgac	1200
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<212> PRT

<213> Homo sapiens

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Ile Ala Met Gly Phe Pro Ala Glu Arg Leu Glu Gly Val Tyr Arg Asn
      35      40      45
Asn Ile Asp Asp Val Val Arg Phe Leu Asp Ser Lys His Lys Asn His
      50      55      60
Tyr Lys Ile Tyr Asn Leu Cys Ala Glu Arg His Tyr Asp Thr Ala Lys
      65      70      75      80
Phe Asn Cys Arg Val Ala Gln Tyr Pro Phe Glu Asp His Asn Pro Pro
      85      90      95
Gln Leu Glu Leu Ile Lys Pro Phe Cys Glu Asp Leu Asp Gln Trp Leu
      100      105      110
Ser Glu Asp Asp Asn His Val Ala Ala Ile His Cys Lys Ala Gly Lys
      115      120      125
Gly Arg Thr Gly Val Met Ile Cys Ala Tyr Leu Leu His Arg Gly Lys
      130      135      140
Phe Leu Lys Ala Gln Glu Ala Leu Asp Phe Tyr Gly Glu Val Arg Thr
      145      150      155      160
Arg Asp Lys Lys Gly Val Thr Ile Pro Ser Gln Arg Arg Tyr Val Tyr
      165      170      175
Tyr Tyr Ser Tyr Leu Leu Lys Asn His Leu Asp Tyr Arg Pro Val Ala
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Leu Leu Phe His Lys Met Met Phe Glu Thr Ile Pro Met Phe Ser Gly
      195      200      205
Gly Thr Cys Asn Pro Gln Phe Val Val Cys Gln Leu Lys Val Lys Ile
      210      215      220
Tyr Ser Ser Asn Ser Gly Pro Thr Arg Arg Glu Asp Lys Phe Met Tyr
      225      230      235      240
Phe Glu Phe Pro Gln Pro Leu Pro Val Cys Gly Asp Ile Lys Val Glu
      245      250      255
Phe Phe His Lys Gln Asn Lys Met Leu Lys Lys Asp Lys Met Phe His
      260      265      270
Phe Trp Val Asn Thr Phe Phe Ile Pro Gly Pro Glu Glu Thr Ser Glu
      275      280      285
Lys Val Glu Asn Gly Ser Leu Cys Asp Gln Glu Ile Asp Ser Ile Cys
      290      295      300
Ser Ile Glu Arg Ala Asp Asn Asp Lys Glu Tyr Leu Val Leu Thr Leu
      305      310      315      320
Thr Lys Asn Asp Leu Asp Lys Ala Asn Lys Asp Lys Ala Asn Arg Tyr
      325      330      335
Phe Ser Pro Asn Phe Lys Val Lys Leu Tyr Phe Thr Lys Thr Val Glu
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Glu Pro Ser Asn Pro Glu Ala Ser Ser Ser Thr Ser Val Thr Pro Asp
      355      360      365
Val Ser Asp Asn Glu Pro Asp His Tyr Arg Tyr Ser Asp Thr Thr Asp
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<210> 7
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<400> 7
 Tyr Ser Tyr Leu
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 Tyr Arg Asn Asn Ile Asp Asp
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<210> 9
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<400> 9
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 1 5 10

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<400> 13
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 Tyr Leu Leu

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<400> 17
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